

Presentation to ARICE of CEC 10July2001

By Dr. R. W. Dibble

Solo Energy

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### **SOLO Energy Mission:**

# Deliver clean, cost-effective, highly reliable on-site power generation

### We sell solutions, not hassles

We deliver services, not boxes

### **Customer Focused Solutions**

- No up front investment
- No technology risk
- Predictable, fixed rate pricing
- No fuel risk
- Installation and maintenance included

# Why?

- Cost
- Price Volatility
- Reliability

# Wireless Energy™ Technology



#### 100 kW Reciprocating Engine

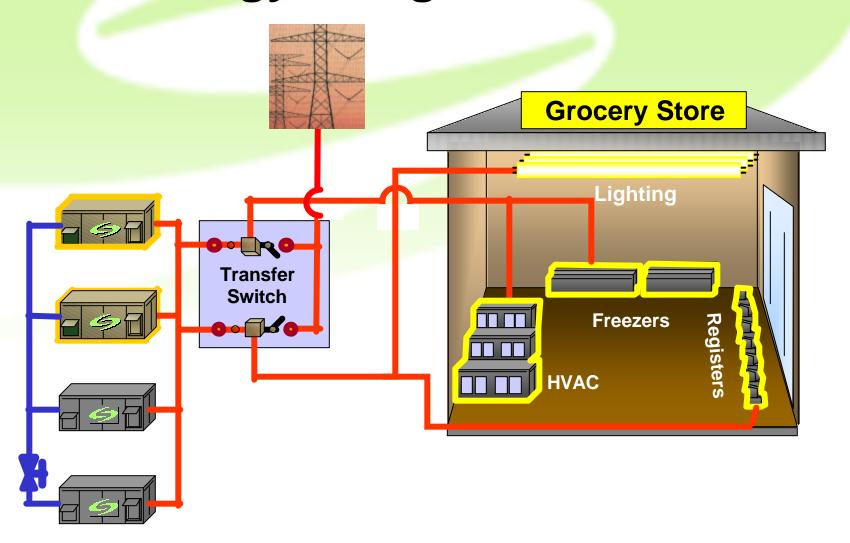
- Commercially available now
- Peak efficiency >30%
- Less than 5ppm NOx emissions
- Load following
- Off grid operations and fast start up capabilities
- Remote monitoring and control
- 23 machines commercially deployed
- >50,000 operational hours in the field
- Third party verification of low emissions, high efficiency and output

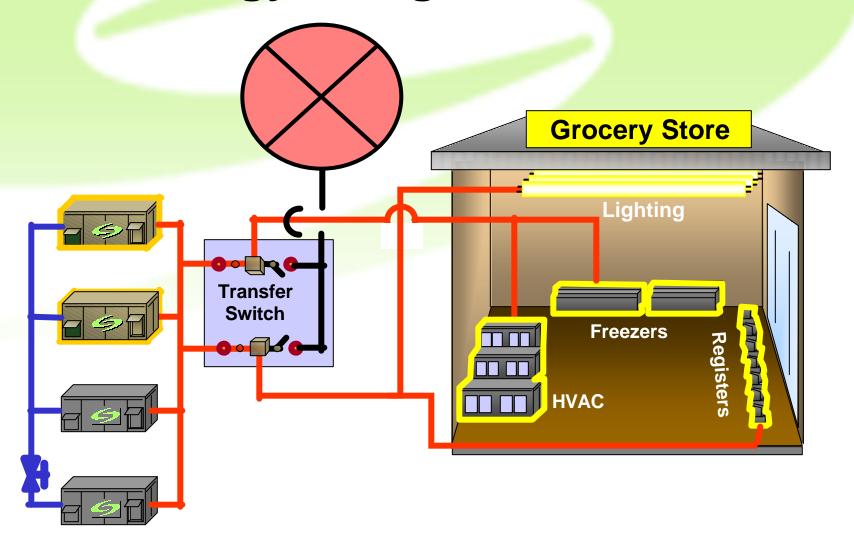
### Wireless Energy™ Technology



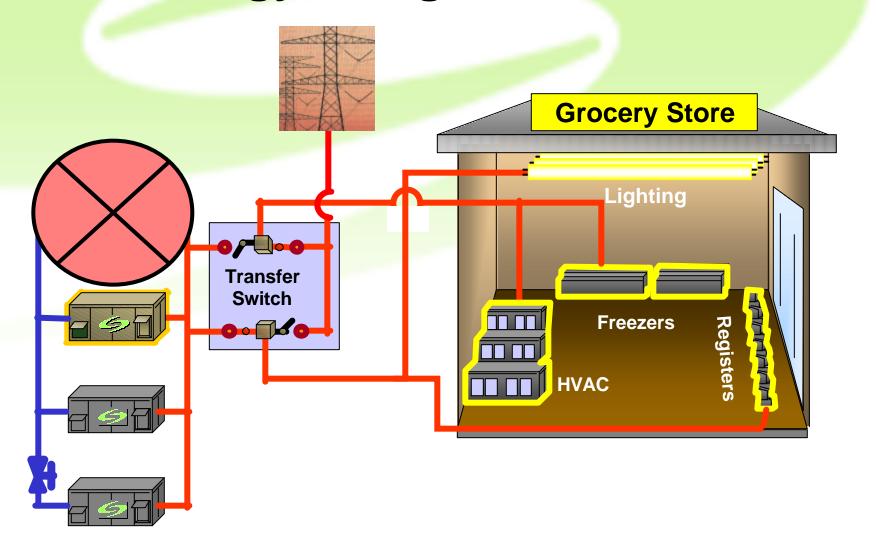
#### 90 kW Microturbine

- Superior efficiency
- Less than 1 ppm NOx emissions
- Less than 10 ppm CO and UHC
- Operates on line pressure gas
- Off grid operations and start up capabilities
- Remote monitoring and control

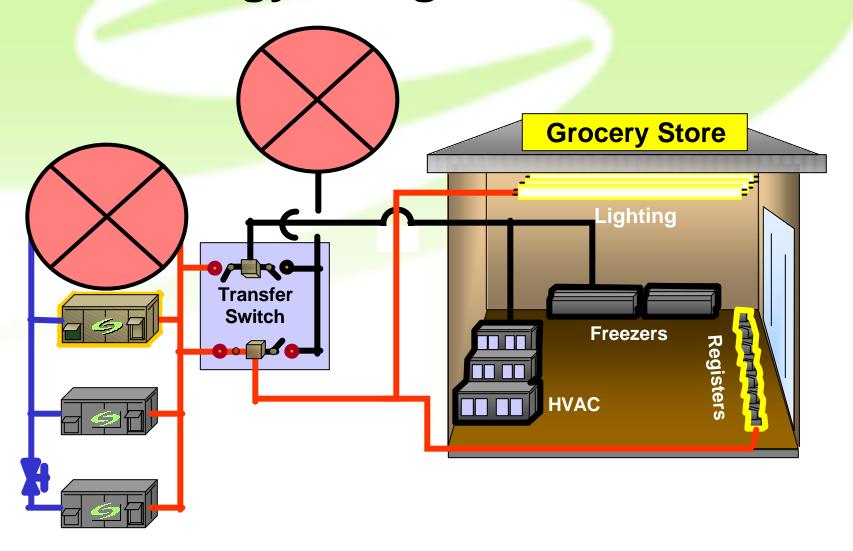




**Entire load supplied by Solo onsite** 



Grid supplies backup for portion of load



Solo supplies critical loads when grid is down

### **Needs of a DG Power Company**

- Needs of a DG Power Company
- Solo Energy Inc, 2701 Monarch St. Alameda CA 94501; 510-864-3040
- ~ 200kW at 30 to 45% efficiency
- NOx < 9ppm at 15% O<sub>2</sub>
- CO < 80 ppm NMOG < 35ppm</li>
- Noise < 60db at 30 feet
- Nat Gas supplied at 7 in. of water, no gas compressor
- Low Installed cost
- Stand Alone Continuous Power; Grid Compatible
- Overhaul > 30,000 hours
- Spark plugs and oil > 2,000 hours

### These Goals are Reachable